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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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MARTINE PENILLA & GENCARELLA, LLP
710 LAKEWAY DRIVE
SUITE 200
SUNNYVALE, CA 94085

EXAMINER

LIN, KENNY S

ART UNIT PAPER NUMBER

2154

DATE MAILED: 06/20/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/727,969

Applicant(s)

MADANY ET AL

Examiner

Kenny Lin

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 May 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

PS

DETAILED ACTION

1. Claims 1-28 are presented for examination.
2. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 4/29/2005 has been entered.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 1-3 and 8-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lambert et al (hereinafter Lambert), US 6,363,478, in view of Hoffman et al (hereinafter Hoffman), US 6,460,071.
5. Lambert was cited in the previous office action.

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6. As per claim 1, Lambert taught the invention substantially as claimed including a system comprising:

- a. At least one server configured to execute at least one session, said at least one session comprising data associated with a user (col.1, line 67, col.2, lines 1-7, 44-50, 55-60, 66-67, col.3, lines 62-65, col.4, lines 3-5, 27-33);
- b. At least one client coupled to said at least one server, wherein said at least one client obtains said at least one session from said at least one server (col.1, line 67, col.2, lines 1-7, col.3, lines 62-65, col.4, lines 3-5, 27-41), wherein said at least one server maintains at least one state and said at least one state is associated with said at least one session (col.1, line 67, col.2, lines 1-7, 44-50, col.3, lines 3-8, 62-65, col.4, lines 3-5, 27-41).

7. Lambert did not specifically disclose that the client is a stateless client. Hoffman taught to maintain state information on the server without transmitting the state back to the client (col.2, lines 55-67, col.4, lines 8-11, 42-45; client is therefore stateless since it does not store the state information). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Lambert and Hoffman because Hoffman's teaching of using state management and storage enables Lambert's system to retain state information on the server.

8. As per claim 2, Lambert and Hoffman taught the invention substantially as claimed in claim 1. Lambert further taught that said at least one server uses said at least one state to

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determine said session data to transmit to said at least one stateless client (col.1, line 67, col.2, lines 1-7, col.3, lines 3-8, 62-65, col.4, lines 3-5, 27-41);

9. As per claim 3, Lambert and Hoffman taught the invention substantially as claimed in claim 2. Lambert further taught that wherein said at least one client further comprises at least one user identification input for providing identification of said at least one user to said at least one server (col.2, lines 44-56).

10. As per claim 8, Lambert and Hoffman taught the invention substantially as claimed in claim 3. Lambert further taught that wherein said sessions associated with said state corresponding to said user comprise sessions accessed by a user from any of said at least one stateless clients from which said user's identification is provided to said at least one server (col.2, lines 66-67, col.3, lines 3-8, col.4, lines 30-33).

11. As per claim 9, Lambert and Hoffman taught the invention substantially as claimed in claim 1. Lambert further taught that wherein said coupling between said at least one server and said at least one stateless client comprises a network (fig.1).

12. Claims 4-5 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lambert and Hoffman as applied to claims 1-3 and 8-9 above, and further in view of Zhao, US 6,035,404.

13. Zhao was cited in the previous office action.

14. As per claim 4, Lambert and Hoffman taught the invention substantially as claimed in claim 3. Lambert and Hoffman did not specifically teach that where said session comprises graphical data displayed to said at least one user at said at least one stateless client. Zhao taught that the data communicated in a session can be displayed graphically to the stateless client (col. 1, lines 22-27). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Lambert, Hoffman and Zhao because Zhao's teaching of using graphical display benefits Lambert and Hoffman's system in displaying graphical or text data communicated in the session.

15. As per claim 5, Lambert and Hoffman taught the invention substantially as claimed in claim 3. Lambert further taught that at least one second stateless client (fig. 1) and that one can send identification information to an existing session (col. 4, lines 27-33). Lambert and Hoffman did not specifically teach that wherein said second stateless client connects to the same said session as said at least one stateless client. Zhao taught to use user identification to establish session (col. 2, lines 25-26), provide session management in one that gains access simultaneously under a common identification and enables one to use one user identification to initiate session from multiple client computers with the server (col. 1, lines 13-22, 39-46, col. 2, lines 21-31, 40-44). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Lambert, Hoffman and Zhao because Zhao's teachings of concurrent user access control enable Lambert and Hoffman's method to established same session to a second stateless client.

16. As per claim 7, Lambert, Hoffman and Zhao taught the invention substantially as claimed in claim 5. Zhao further taught that wherein said at least one server continues to execute said session when said at least one stateless client disconnects from said at least one server (col.3, lines 41-49, col.7, lines 35-48). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Lambert, Hoffman and Zhao because Zhao's teachings of concurrent user access control enable Lambert and Hoffman's method to continue execute the session even when one client is disconnected by the server.

17. Claims 6 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lambert and Hoffman as applied to claims 1-3 and 8-9 above, and further in view of Hamdi, US 6,205,124.

18. Hamdi was cited in the previous office action.

19. As per claim 6, Lambert and Hoffman taught the invention substantially as claimed in claim 3. Lambert and Hoffman did not specifically teach that wherein said session data comprises voice data. Hamdi taught to use a digital simultaneous voice and data modem to communicate with the server to handle simultaneous voice and data traffic (col.1, lines 42-67, col.2, lines 1-6, 27-31, col.11, lines 7-28) which enables voice data communication. It would have been obvious to one of ordinary skill in the art at the time the invention was made combine the teachings of Lambert, Hoffman and Hamdi because Hamdi's teachings of simultaneous voice

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and data modem can be implemented the in the client and the server in Lambert and Hoffman's method to enable simultaneous voice and data communication and handle voice data.

20. As per claim 10, Lambert and Hoffman taught the invention substantially as claimed in claim 9. Lambert and Hoffman did not specifically teach that wherein said second network further comprises two directional data communications comprising simultaneous voice and data traffic between said at least one server and said at least one stateless client. Hamdi taught to use a digital simultaneous voice and data modem to communicate with the server to handle simultaneous voice and data traffic (col.1, lines 42-67, col.2, lines 1-6, 27-31, col.11, lines 7-28). It would have been obvious to one of ordinary skill in the art at the time the invention was made combine the teachings of Lambert, Hoffman and Hamdi because Hamdi's teachings of simultaneous voice and data modem can be implemented the in the client and the server in Lambert and Hoffman's method to enable simultaneous voice and data communication.

21. Claims 11-2, 14, 16-18, 20-21, 23 and 25-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lambert et al (hereinafter Lambert), US 6,363,478, in view of Zhao, US 6,205,124, and Hoffman et al (hereinafter Hoffman), US 6,460,071.

22. As per claims 11 and 20, Lambert taught the invention substantially as claimed including a method for providing data to a client comprising:

- a. Obtaining user identification information (col.2, lines 44-50, 55-60, 66-67);

- b. Providing said user identification information to a server (col.2, lines 44-50, 55-60, 66-67);
- c. Initiating a persistent session at said server (col.1, line 67, col.2, lines 1-7, 44-50), wherein said persistent session is associated with said user (col.1, line 67, col.2, lines 1-7, col.3, lines 62-65, col.4, lines 3-5, 27-33);
- d. Associating at least one state with said session on said server (col.3, lines 3-8);
- e. Maintaining said at least one state on said server (col.1, line 67, col.2, lines 1-7, col.3, lines 3-8, 62-65, col.4, lines 3-5, 27-41);
- f. Providing data associated with said session to said user at a first stateless client computer (col.4, lines 27-41).

23. Lambert did not specifically teach to provide said data associated with said session to said user at a second client computer. Zhao taught to use user identification to establish session (col.2, lines 25-26), associating state with session on the server (col.2, lines 13-15, col.4, lines 1-12), provide session management in one that gains access simultaneously under a common identification and enables one to use one user identification to communication from multiple client computer with the server (col.1, lines 13-22, 39-46, col.2, lines 21-31, 40-44). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Lambert and Zhao because Zhao's teachings of concurrent user access control enable Lambert's method to provide data associated with the established session to a second client computer. Lambert and Zhao did not specifically disclose that the client computer is a stateless computer. Hoffman taught to maintain state information on the server without

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transmitting the state back to the client where the client is a stateless client (col.2, lines 55-67, col.4, lines 8-11, 42-45; client is stateless since it does not store state information). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Lambert, Zhao and Hoffman because Hoffman's teaching of using state management and storage enables Lambert and Zhao's system to retain state information on the server.

24. As per claims 12 and 21, Lambert, Zhao and Hoffman taught the invention substantially as claimed in claims 11 and 20. Zhao further taught that wherein said user identification comprises a unique identifier associated with said user (col.2, lines 25-28, col.3, lines 51-55). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Lambert, Hoffman and Zhao because Zhao's teachings of concurrent user access control enable Lambert and Hoffman's method to provide data associated with the established session to a second client computer using unique identifier.

25. As per claims 14 and 23, Lambert, Zhao and Hoffman taught the invention substantially as claimed in claims 13 and 20. Zhao further taught that wherein said providing data associated with said session further comprises displaying graphical data to said user (col.1, lines 22-27). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Lambert, Hoffman and Zhao because Zhao's teaching of using graphical display benefits Lambert and Hoffman's system in displaying graphical or text data communicated in the session.

26. As per claims 16 and 25, Lambert, Zhao and Hoffman taught the invention substantially as claimed in claims 12 and 20. Zhao further taught to continue execution of said session when neither said first stateless client computer or said second stateless client computer is being provided data associated with said session (col.7, lines 53-67). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Lambert, Hoffman and Zhao because Zhao's teachings of concurrent user access control enable Lambert and Hoffman's method to continue execute the session until the user logs out of the session.

27. As per claims 17 and 26, Lambert, Zhao and Hoffman taught the invention substantially as claimed in claims 12 and 20. Zhao further taught to continue execution of said session at said server when said first stateless client disconnects from said server (col.3, lines 41-49, col.7, lines 35-48). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Lambert, Hoffman and Zhao because Zhao's teachings of concurrent user access control enable Lambert and Hoffman's method to continue execute the session even when one client is disconnected by the server.

28. As per claims 18 and 27, Lambert, Zhao and Hoffman taught the invention substantially as claimed in claims 12 and 20. Zhao further taught to continue execution of said session at said server when said second stateless client disconnects from said server (col.3, lines 41-49, col.7, lines 35-48). It would have been obvious to one of ordinary skill in the art at the time the

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invention was made to combine the teachings of Lambert, Hoffman and Zhao because Zhao's teachings of concurrent user access control enable Lambert and Hoffman's method to continue execute the session even when one client is disconnected by the server.

29. Claims 13 and 22 rejected under 35 U.S.C. 103(a) as being unpatentable over Lambert, Zhao and Hoffman as applied to claims 11-12 and 20 above, and further in view of Wood et al (Wood), US 6,892,307.

30. As per claims 13 and 22, Lambert, Zhao and Hoffman taught the invention substantially as claimed in claims 12 and 21. Lambert, Zhao and Hoffman did not specifically teach that said unique identifier resides on a smart card. Wood taught that said unique identifier resides on a smart card (col.10, lines 45-48). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Lambert, Zhao, Hoffman and Wood because Wood's teaching of storing the unique identifier on a smart card enables Lambert, Zhao and Hoffman's method to use various storing mediums to store information.

31. Claims 15 and 24 rejected under 35 U.S.C. 103(a) as being unpatentable over Lambert, Zhao and Hoffman as applied to claims 11-12 and 20 above, and further in view of Feigenbaum et al (Feigenbaum), US 5,305,461.

32. As per claims 15 and 24, Lambert, Zhao and Hoffman taught the invention substantially as claimed in claims 12 and 20. Lambert, Zhao and Hoffman did not specifically disclose that

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wherein said session on said server comprises a plurality of processes executing on behalf of said user. Feigenbaum taught that session on said server comprises a plurality of processes executing on behalf of said user (col.2, lines 26-34). It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Lambert, Zhao, Hoffman and Feigenbaum because Feigenbaum's teachings of multiple processes on one session allow users of Lambert, Zhao and Hoffman's method to execute processes on the session to establish, control, maintain and obtain data through the session.

33. Claims 19 and 28 rejected under 35 U.S.C. 103(a) as being unpatentable over Lambert, Zhao and Hoffman as applied to claims 11-12, 18 and 20 above, and further in view of Hamdi, US 6,205,124.

34. As per claims 19 and 28, Lambert, Zhao and Hoffman taught the invention substantially as claimed in claims 18 and 20. Lambert, Zhao and Hoffman did not specifically teach that wherein said data associated with said session comprises two directional data communications comprising simultaneous voice and data traffic between said server and said clients. Hamdi taught to use a digital simultaneous voice and data modem to communicate with the server to handle simultaneous voice and data traffic (col.1, lines 42-67, col.2, lines 1-6, 27-31, col.11, lines 7-28). It would have been obvious to one of ordinary skill in the art at the time the invention was made combine the teachings of Lambert, Zhao, Hoffman and Hamdi because Hamdi's teachings of simultaneous voice and data modem can be implemented the in the client

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and the server in Lambert, Zhao and Hoffman's method to enable simultaneous voice and data communication.

Response to Arguments

35. Applicant's arguments with respect to claims 1-16 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

36. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Ramasubramani et al, US 6,233,577.

Dias et al, US 6,170,017.

Iyengar, US 5,961,601.

Tseng, "What is Client-server Computing?", January 19, 1998.

37. A shortened statutory period for reply to this Office action is set to expire **THREE MONTHS** from the mailing date of this action.


38. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kenny Lin whose telephone number is (571) 272-3968. The examiner can normally be reached on 8 AM to 5 PM Tue.-Fri. and every other Monday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Follansbee can be reached on (571) 272-3964. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ksl
June 16, 2005

 **JOHN FOLLANSBEE**
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100